

LATAMID 6 H2 G/30-V0HF1

 LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 6*
General Information
Product Description

Compound based on Polyamide 6 (PA 6). Improved thermal stabilisation. Glass fibres. Flame retardant, UL94 V-0 class, free of halogens-based flame retardants and red phosphorous. Very good electrical properties. PFAS-free product.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Glass Fiber		
Additive	• Flame Retardant		
Features	• Flame Retardant	• Halogen Free	• PFAS Free
	• Good Thermal Stability	• Low (to None) Phosphorus Content	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.40	g/cm ³	ISO 1183
Molding Shrinkage ²			ISO 294-4
Across Flow : 0.0787 in	0.55 to 0.75	%	
Flow : 0.0787 in	0.15 to 0.40	%	
Water Absorption ³ (Saturation, 73°F)	1.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-1/1
73°F	1.48E+6	psi	
140°F	1.09E+6	psi	
194°F	624000	psi	
248°F	580000	psi	
302°F	493000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	20300	psi	
Break, 140°F	13100	psi	
Break, 194°F	11600	psi	
Break, 248°F	10200	psi	
Break, 302°F	8700	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.6	%	
Break, 140°F	4.5	%	
Break, 194°F	7.4	%	
Break, 248°F	8.1	%	
Break, 302°F	9.7	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	3.8	ft·lb/in ²	
73°F	4.3	ft·lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F	24	ft·lb/in ²	
73°F	26	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method



Deflection Temperature Under Load (66 psi, Unannealed)	410 °F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	383 °F	ISO 75-2/A
Vicat Softening Temperature	410 °F	ISO 306/B120
CLTE - Flow (86 to 212°F)	1.4E-5 in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.1E-5 in/in/°F	ISO 11359-2
Electrical	Nominal Value Unit	Test Method
Surface Resistivity	1.0E+12 ohms	ASTM D257
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	530 V/mil	ASTM D149
Comparative Tracking Index ⁴ (Solution A)	600 V	IEC 60112
Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
0.030 in	V-0	
0.06 in	• • V-0 5VA	
0.12 in	• • V-0 5VA	
Glow Wire Flammability Index		IEC 60695-2-12
0.04 in	1760 °F	
0.06 in	1760 °F	
0.08 in	1760 °F	
0.12 in	1760 °F	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.04 in	1430 °F	
0.06 in	1430 °F	
0.08 in	1430 °F	
0.12 in	1430 °F	
Oxygen Index	32 %	ASTM D2863

Notes

¹ Typical properties: these are not to be construed as specifications.

² 60 MPa

³ in air

⁴ Without surfactant

